

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/066557 A1

(51) International Patent Classification⁷: H04L 12/28, 12/64, 12/46

(21) International Application Number: PCT/IB2004/000858

(22) International Filing Date: 22 January 2004 (22.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: FR0300833 24 January 2003 (24.01.2003) FR

(71) Applicant (for all designated States except US): CANON EUROPA NV [NL/NL]; Bovenkerkerweg 59-61, NL-1185 XB Amstelveen (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BIZET, Stéphane [FR/FR]; 17, Square du Bois Perrin, F-35700 Rennes (FR). FROUIN, Laurent [FR/FR]; 78, rue de Sarzeau, F-35700 Rennes (FR). MERLET, Hervé [FR/FR]; 11 bis, rue Hector Berlioz, F-35530 Servon sur Vilaine (FR).

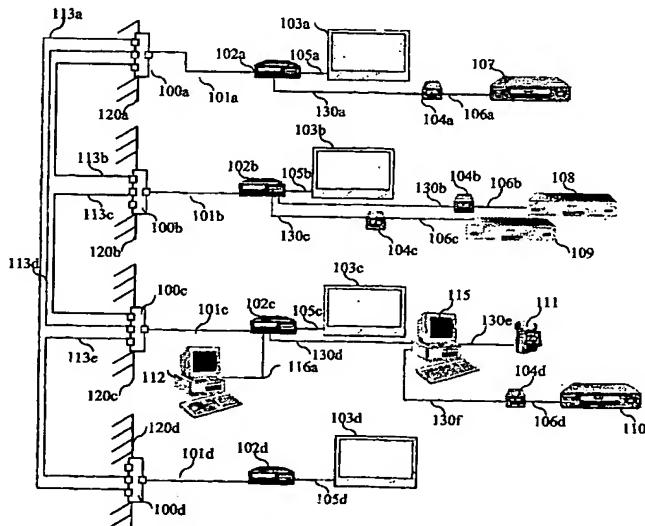
(74) Agent: VIDON, Patrice; 16B, rue Jouanet, BP 90333, F-35703 Rennes Cedex 7 (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: MULTIMEDIA INTERFACE DEVICE, INFORMATION PROCESSING METHOD, CORRESPONDING INFORMATION CARRIER AND COMPUTER PROGRAM



(57) Abstract: A multimedia interface device for the transfer of information in a communications network comprises, at least two connection means to which, respectively, at least two sending devices can get connected by means respectively of two communications links compliant respectively with two protocols; means of connection to a single remote switching device by means of a single cable; the switching device comprising at least switching means between at least two ports; means to mix the information sent out by sending devices into only one stream of information in the form of segments being able to contain part of the information; and means to transfer the stream of information in the form of segments on at least one pair of cable to the switching device to which it is connected according to a third protocol.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.